## Reference Characters for Q00-1017-US1 "Flow Modification for Reducing Track Misregistration in Hard Disk Drives"

| No.   Figures    | Ref. | Description of Item                              | Figures |
|--|------|--|---------|
| 110 disk 120 head 130 slider assembly 140 back plate 160 actuator assembly 170 spindle 190 conventional baffle 191 track 220 cross track motion 230 disk inner edge 240 disk outer edge 340 Baffle integrated comb disk drive 310 baffle integrated comb 320 baffle 325 Comb base 330 Comb tip 340 leading edge 340A C-comb leading edge 340B V-comb leading edge 350A C-comb trailing edge 350B V-comb trailing edge 400 baffle/comb assembly 410 baffle element 510 comb to disk spacing 610 Constant slope circumferential tapered (C-) comb 620 Variable slope circumferential tapered (V-) comb 725 fixture integrated comb 730 Backplate including integrated fixture 740 First portion  |      | 2 to vilption of from                            | Figures |
| 110 disk 120 head 130 slider assembly 140 back plate 160 actuator assembly 170 spindle 190 conventional baffle 190 track 220 cross track motion 230 disk inner edge 240 disk outer edge 340 Baffle integrated comb disk drive 310 baffle integrated comb 320 baffle 325 Comb base 330 Comb tip 340 leading edge 340A C-comb leading edge 340B V-comb leading edge 350B V-comb trailing edge 350B V-comb trailing edge 350B V-comb trailing edge 360C Oconstant slope circumferential tapered (C-) comb 620 Variable slope circumferential tapered (V-) comb 720 fixture integrated comb 730 Backplate including integrated fixture 740 First portion   | 100  | conventional disk drive                          |         |
| slider assembly back plate conventional baffle | 110  |  |         |
| 140 back plate 160 actuator assembly 170 spindle 190 conventional baffle 210 track 220 cross track motion 230 disk inner edge 240 disk outer edge 300 Baffle integrated comb disk drive 310 baffle integrated comb 320 baffle 325 Comb base 330 Comb tip 340 leading edge 340A C-comb leading edge 350B V-comb leading edge 350B V-comb trailing edge 350B V-comb trailing edge 400 baffle/comb assembly 410 baffle element 510 comb to disk spacing 620 Variable slope circumferential tapered (C-) comb 621 fixture integrated comb 622 fixture integrated comb 6330 Backplate including integrated fixture 640 First portion  | 120  | head   |         |
| 140     back plate       160     actuator assembly       170     spindle       190     conventional baffle       210     track       220     cross track motion       230     disk inner edge       240     disk outer edge       300     Baffle integrated comb disk drive       310     baffle integrated comb       320     baffle       321     Comb base       330     Comb tip       340     leading edge       340A     C-comb leading edge       340B     V-comb leading edge       350A     C-comb trailing edge       350B     V-comb trailing edge       400     baffle/comb assembly       410     baffle element       510     comb to disk spacing       610     Constant slope circumferential tapered (C-) comb       620     Variable slope circumferential tapered (V-) comb       710     comb fixture       720     fixture integrated comb       730     Backplate including integrated fixture       740     First portion   | 130  | slider assembly                                  |         |
| 160     actuator assembly       170     spindle       190     conventional baffle       210     track       220     cross track motion       230     disk inner edge       240     disk outer edge       300     Baffle integrated comb disk drive       310     baffle integrated comb       320     baffle       321     Comb base       322     Comb base       330     Comb tip       340     leading edge       340A     C-comb leading edge       350B     V-comb leading edge       350A     C-comb trailing edge       350B     V-comb trailing edge       400     baffle/comb assembly       410     baffle element       510     comb to disk spacing       610     Constant slope circumferential tapered (C-) comb       620     Variable slope circumferential tapered (V-) comb       710     comb fixture       720     fixture integrated comb       730     Backplate including integrated fixture       740     First portion  | 140  |  |         |
| 190 conventional baffle 210 track 220 cross track motion 230 disk inner edge 240 disk outer edge 300 Baffle integrated comb disk drive 310 baffle integrated comb 320 baffle 325 Comb base 330 Comb tip 340 leading edge 340A C-comb leading edge 350B V-comb leading edge 350 trailing edge 350B V-comb trailing edge   | 160  |  |         |
| 210track220cross track motion230disk inner edge240disk outer edge300Baffle integrated comb disk drive310baffle integrated comb320baffle325Comb base330Comb tip340leading edge340AC-comb leading edge350trailing edge350trailing edge350AC-comb trailing edge400baffle/comb assembly410baffle element510comb to disk spacing610Constant slope circumferential tapered (C-) comb620Variable slope circumferential tapered (V-) comb710comb fixture720fixture integrated comb730Backplate including integrated fixture740First portion  | 170  | spindle  |         |
| 220 cross track motion 230 disk inner edge 240 disk outer edge 300 Baffle integrated comb disk drive 310 baffle integrated comb 320 baffle 325 Comb base 330 Comb tip 340 leading edge 340A C-comb leading edge 350 trailing edge 350 C-comb trailing edge 350 V-comb trailing edge 350B V-comb trailing edge 400 baffle/comb assembly 410 baffle element 510 comb to disk spacing 610 Constant slope circumferential tapered (C-) comb 620 Variable slope circumferential tapered (V-) comb 710 comb fixture 720 fixture integrated comb 725 fixture to disk spacing 730 Backplate including integrated fixture 740 First portion   | 190  | conventional baffle                              |         |
| disk inner edge  240 disk outer edge  300 Baffle integrated comb disk drive  310 baffle integrated comb  320 baffle  325 Comb base  330 Comb tip  340 leading edge  340A C-comb leading edge  350 trailing edge  350A C-comb trailing edge  350B V-comb trailing edge  400 baffle/comb assembly  410 baffle element  510 comb to disk spacing  610 Constant slope circumferential tapered (C-) comb  620 Variable slope circumferential tapered (V-) comb  710 comb fixture  720 fixture integrated comb  730 Backplate including integrated fixture  740 First portion  | 210  | track  |         |
| 240disk outer edge300Baffle integrated comb disk drive310baffle integrated comb320baffle325Comb base330Comb tip340leading edge340AC-comb leading edge350trailing edge350C-comb trailing edge350AC-comb trailing edge400baffle/comb assembly410baffle element510comb to disk spacing610Constant slope circumferential tapered (C-) comb620Variable slope circumferential tapered (V-) comb710comb fixture720fixture integrated comb725fixture to disk spacing730Backplate including integrated fixture740First portion  | 220  | cross track motion                               |         |
| 240disk outer edge300Baffle integrated comb disk drive310baffle integrated comb320baffle325Comb base330Comb tip340leading edge340AC-comb leading edge350trailing edge350C-comb trailing edge350AC-comb trailing edge400baffle/comb assembly410baffle element510comb to disk spacing610Constant slope circumferential tapered (C-) comb620Variable slope circumferential tapered (V-) comb710comb fixture720fixture integrated comb725fixture to disk spacing730Backplate including integrated fixture740First portion  | 230  | disk inner edge                                  |         |
| 300 Baffle integrated comb disk drive 310 baffle integrated comb 320 baffle 325 Comb base 330 Comb tip 340 leading edge 340A C-comb leading edge 350 trailing edge 350 V-comb trailing edge 350B V-comb trailing edge 400 baffle/comb assembly 410 baffle element 510 comb to disk spacing 610 Constant slope circumferential tapered (C-) comb 620 Variable slope circumferential tapered (V-) comb 710 comb fixture 720 fixture integrated comb 725 fixture to disk spacing 730 Backplate including integrated fixture 740 First portion   | 240  |  |         |
| 310baffle integrated comb320baffle325Comb base330Comb tip340leading edge340AC-comb leading edge350trailing edge350AC-comb trailing edge350BV-comb trailing edge400baffle/comb assembly410baffle element510comb to disk spacing610Constant slope circumferential tapered (C-) comb620Variable slope circumferential tapered (V-) comb710comb fixture720fixture integrated comb725fixture to disk spacing730Backplate including integrated fixture740First portion   | 300  |  |         |
| 325 Comb base 330 Comb tip 340 leading edge 340A C-comb leading edge 340B V-comb leading edge 350 trailing edge 350A C-comb trailing edge 350B V-comb trailing edge 400 baffle/comb assembly 410 baffle element 510 comb to disk spacing 610 Constant slope circumferential tapered (C-) comb 620 Variable slope circumferential tapered (V-) comb 710 comb fixture 720 fixture integrated comb 725 fixture to disk spacing 730 Backplate including integrated fixture 740 First portion   | 310  |  |         |
| 330 Comb tip 340 leading edge 340A C-comb leading edge 340B V-comb leading edge 350 trailing edge 350A C-comb trailing edge 350B V-comb trailing edge 400 baffle/comb assembly 410 baffle element 510 comb to disk spacing 610 Constant slope circumferential tapered (C-) comb 620 Variable slope circumferential tapered (V-) comb 710 comb fixture 720 fixture integrated comb 725 fixture to disk spacing 730 Backplate including integrated fixture 740 First portion   | 320  | baffle   |         |
| 340   leading edge   340A   C-comb leading edge   340B   V-comb leading edge   350   trailing edge   350A   C-comb trailing edge   350B   V-comb trailing edge   400   baffle/comb assembly   410   baffle element   510   comb to disk spacing   610   Constant slope circumferential tapered (C-) comb   620   Variable slope circumferential tapered (V-) comb   710   comb fixture   720   fixture integrated comb   725   fixture to disk spacing   730   Backplate including integrated fixture   740   First portion   740   First portion   750      | 325  | Comb base  |         |
| 340A C-comb leading edge 340B V-comb leading edge 350 trailing edge 350A C-comb trailing edge 350B V-comb trailing edge 400 baffle/comb assembly 410 baffle element 510 comb to disk spacing 610 Constant slope circumferential tapered (C-) comb 620 Variable slope circumferential tapered (V-) comb 710 comb fixture 720 fixture integrated comb 725 fixture to disk spacing 730 Backplate including integrated fixture 740 First portion   | 330  | Comb tip   |         |
| 340B V-comb leading edge 350 trailing edge 350A C-comb trailing edge 350B V-comb trailing edge 400 baffle/comb assembly 410 baffle element 510 comb to disk spacing 610 Constant slope circumferential tapered (C-) comb 620 Variable slope circumferential tapered (V-) comb 710 comb fixture 720 fixture integrated comb 725 fixture to disk spacing 730 Backplate including integrated fixture 740 First portion  | 340  | leading edge                                     |         |
| trailing edge  350A C-comb trailing edge  350B V-comb trailing edge  400 baffle/comb assembly  410 baffle element  510 comb to disk spacing  610 Constant slope circumferential tapered (C-) comb  620 Variable slope circumferential tapered (V-) comb  710 comb fixture  720 fixture integrated comb  725 fixture to disk spacing  730 Backplate including integrated fixture  740 First portion   | 340A | C-comb leading edge                              |         |
| 350A C-comb trailing edge  350B V-comb trailing edge  400 baffle/comb assembly  410 baffle element  510 comb to disk spacing  610 Constant slope circumferential tapered (C-) comb  620 Variable slope circumferential tapered (V-) comb  710 comb fixture  720 fixture integrated comb  725 fixture to disk spacing  730 Backplate including integrated fixture  740 First portion  | 340B | V-comb leading edge                              |         |
| 350B V-comb trailing edge  400 baffle/comb assembly  410 baffle element  510 comb to disk spacing  610 Constant slope circumferential tapered (C-) comb  620 Variable slope circumferential tapered (V-) comb  710 comb fixture  720 fixture integrated comb  725 fixture to disk spacing  730 Backplate including integrated fixture  740 First portion   | 350  | trailing edge                                    |         |
| baffle/comb assembly baffle element comb to disk spacing Constant slope circumferential tapered (C-) comb Variable slope circumferential tapered (V-) comb comb fixture fixture integrated comb fixture to disk spacing Backplate including integrated fixture First portion   | 350A | C-comb trailing edge                             |         |
| baffle element  comb to disk spacing  Constant slope circumferential tapered (C-) comb  Variable slope circumferential tapered (V-) comb  comb fixture  fixture integrated comb  fixture to disk spacing  Backplate including integrated fixture  First portion  | 350B | V-comb trailing edge                             |         |
| comb to disk spacing  Constant slope circumferential tapered (C-) comb  Variable slope circumferential tapered (V-) comb  comb fixture  fixture integrated comb  fixture to disk spacing  Backplate including integrated fixture  First portion  | 400  | baffle/comb assembly                             | ```     |
| Constant slope circumferential tapered (C-) comb  Variable slope circumferential tapered (V-) comb  comb fixture  fixture integrated comb  fixture to disk spacing  Backplate including integrated fixture  First portion  | 410  | baffle element                                   |         |
| Variable slope circumferential tapered (V-) comb  comb fixture  fixture integrated comb  fixture to disk spacing  Backplate including integrated fixture  First portion  | 510  |  |         |
| Variable slope circumferential tapered (V-) comb  comb fixture  fixture integrated comb  fixture to disk spacing  Backplate including integrated fixture  First portion  | 610  | Constant slope circumferential tapered (C-) comb |         |
| 720 fixture integrated comb  725 fixture to disk spacing  730 Backplate including integrated fixture  740 First portion  | 620  |  |         |
| 725 fixture to disk spacing 730 Backplate including integrated fixture 740 First portion   | 710  | comb fixture                                     |         |
| 730 Backplate including integrated fixture 740 First portion   | 720  |  |         |
| 740 First portion  | 725  |  |         |
|  | 730  |  |         |
| 750 Second portion   | 740  |  |         |
|  | 750  | Second portion                                   |         |

| 805  | Outer surface (disk)          |
|------|-------------------------------|
| 810  | Depressed contour cover plate |
| 815D | large D-cover plate portion   |
| 815P | large P-cover plate portion   |
| 820  | Depressed region              |
| 850  | Protruded contour cover plate |
| 860  | protruded region              |
| 910  | conventional cover plate      |
| 920  | enclosure attached comb       |
| 930  | attachment element            |
| 940  | base plate attachment surface |
|      |                               |